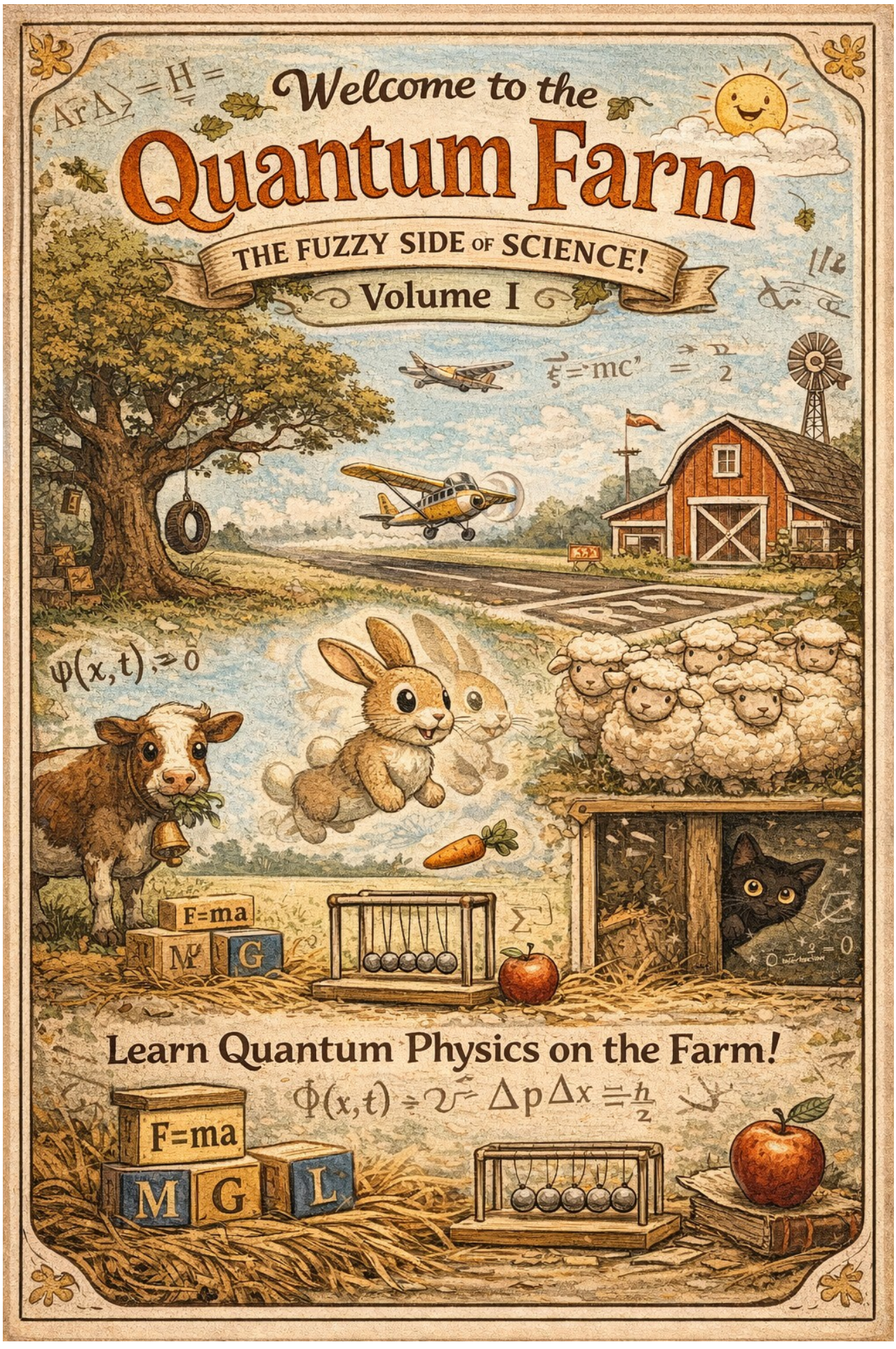

Welcome to the
Quantum Farm
THE FUZZY SIDE OF SCIENCE!
Volume I
F=ma
M
G
Learn Quantum Physics on the Farm!
F=ma
M
G
L

Welcome to the Quantum Farm

explores the fuzzy side of science!

Superposition Bunny

Is the bunny here, or there? Both!

A fuzzy wavefunction!

Coherent Sheep

These fluffy sheep move as one

$\Psi_{total} = \sum \Psi_i$ ⇝ BEC

Determined Cow

The classical cow is big, heavy, and always predictable.

Mystery Cat

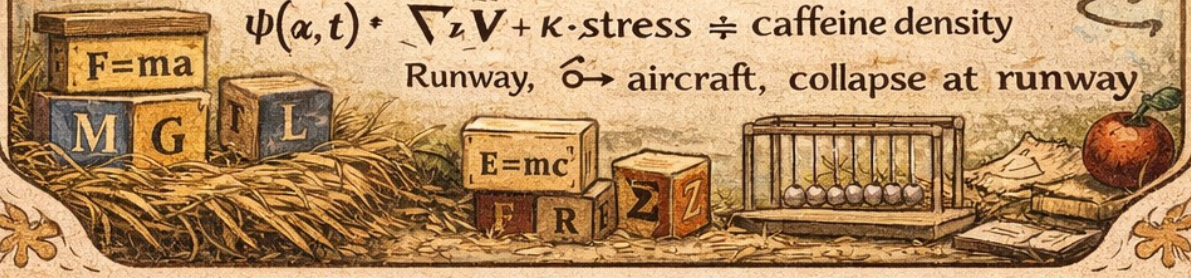
Where's the cat?

Moving like a sneaky neutrino!

Farm Field Theory:

$\psi(\alpha, t) * \nabla_z \vec{V} + \kappa \cdot$ stress $\div$ caffeine density

Runway, ⇝ aircraft, collapse at runway



MooMoos and the Rules of Motion

The Classical Pasture

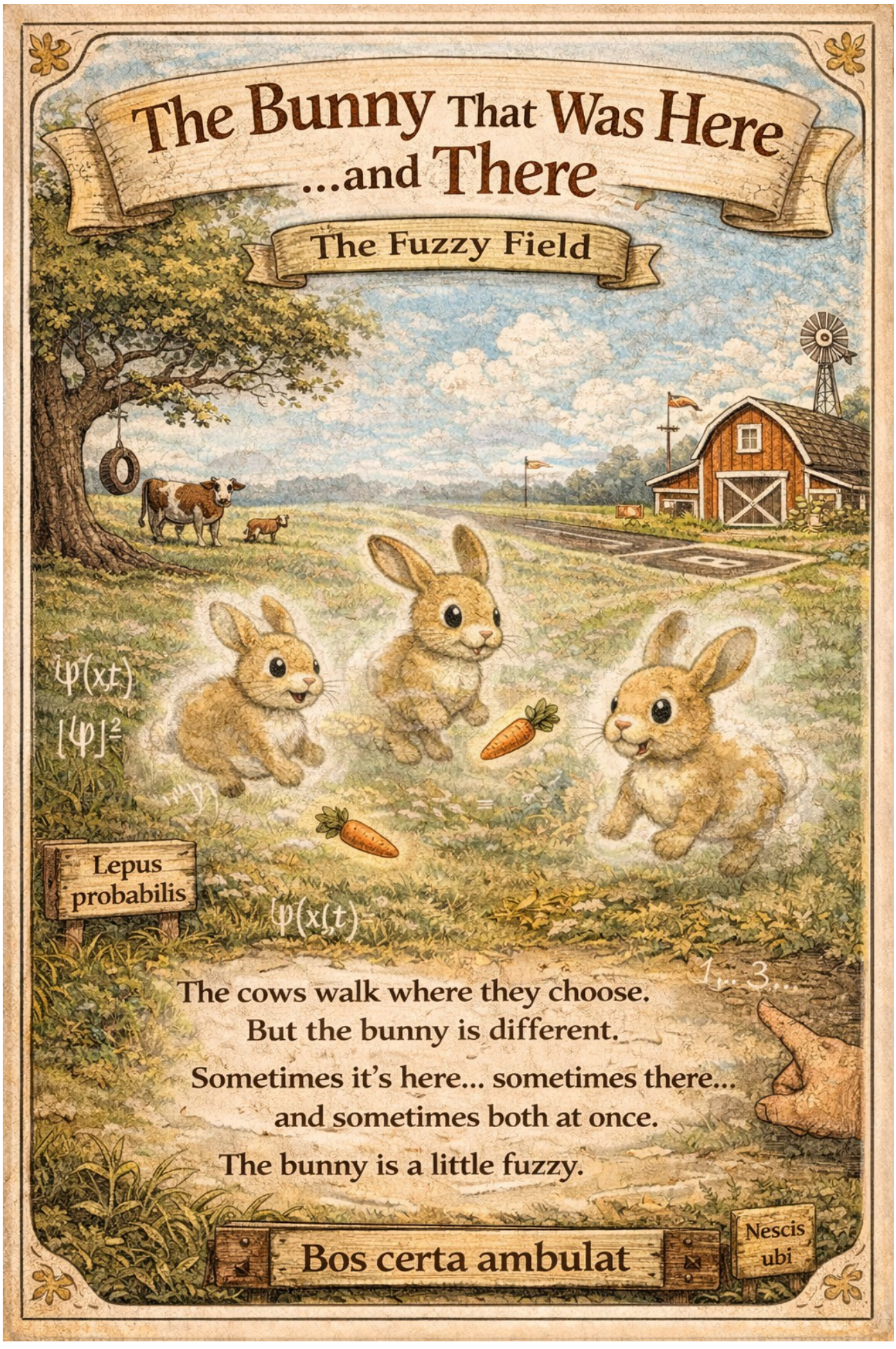
On the farm, cows are big and steady.
When a cow walks, it walks in a straight line.
When it stops, it stays stopped.
Heavy things don't jump or disappear.
The world is calm and predictable here.

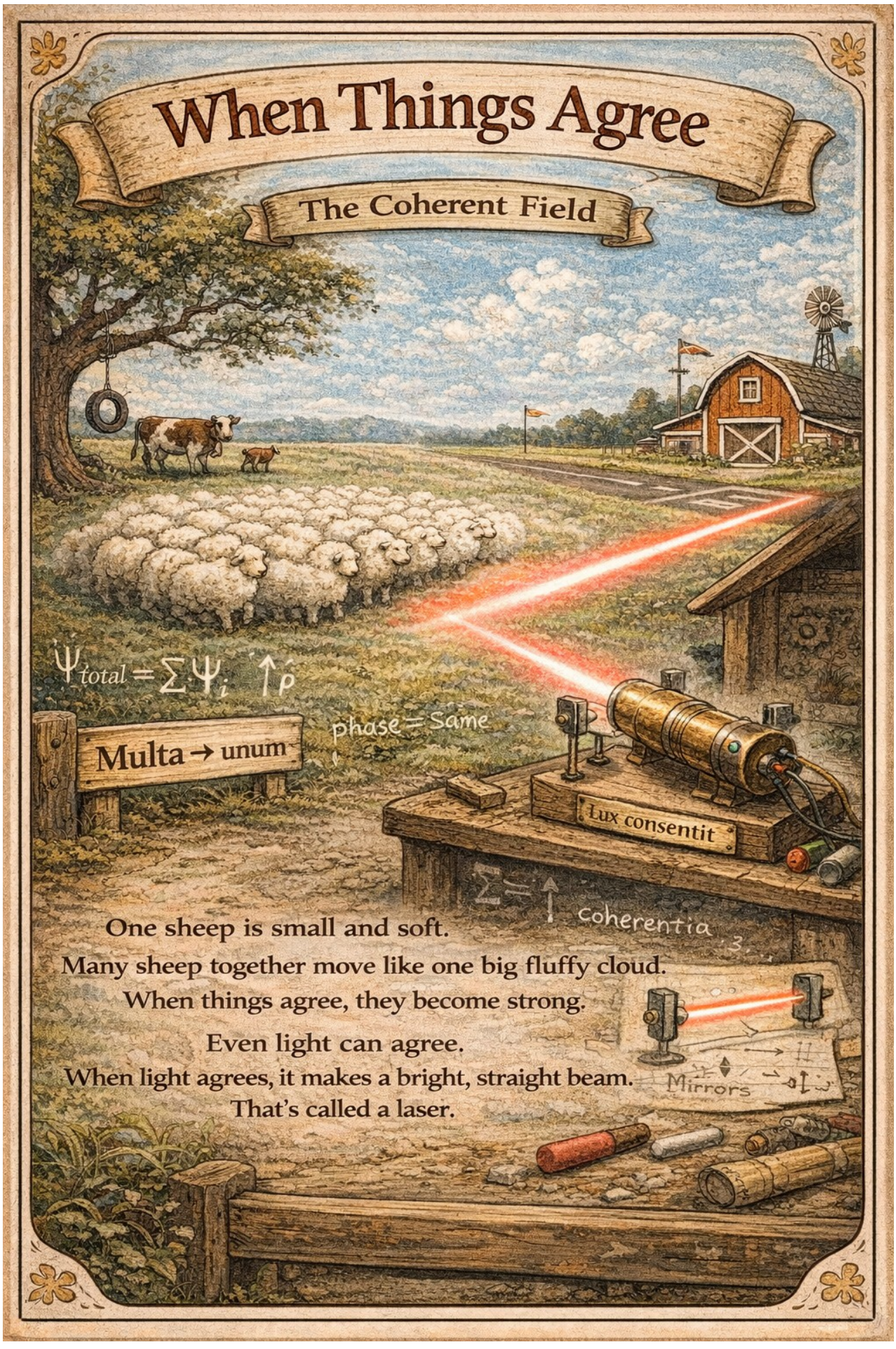
$$F = ma$$

Objects follow deterministic trajectories.

Terra firma

Bos certa ambulat


The Bunny That Was Here ...and There
The Fuzzy Field
Lepus probabilis
The cows walk where they choose.
But the bunny is different.
Sometimes it's here... sometimes there...
and sometimes both at once.
The bunny is a little fuzzy.
Bos certa ambulat
Nescis ubi


When Things Agree
The Coherent Field
$\Psi_{total} = \sum \Psi_i \uparrow \hat{\rho}$
Multa → unum
phase = same
Lux consentit
$\Sigma = \uparrow$ coherentia
One sheep is small and soft.
Many sheep together move like one big fluffy cloud.
When things agree, they become strong.
Even light can agree.
When light agrees, it makes a bright, straight beam.
That's called a laser.
Mirrors

Loke Goes Everywhere

If I Fits, I Sits

Loke does not walk like cows.
He does not hop like the bunny.
He does not bunch like the sheep.
Loke slips through tiny gaps.
Sometimes you don't see him at all.
You only notice when something moves.

$x = 0$

Felis Loke